

12-90462: Anti-AREG antibody(1B12), IgG1 Chimeric mAb

Clonality :	Monoclonal
Clone Name :	1B12
Reactivity :	Human
Conjugate :	Unconjugated
Gene :	AREG
Uniprot ID :	P15514
Alternative Name :	AR;CRDGF;AREGB;SDGF
Isotype :	Rabbit/Human Fc chimeric IgG1

Description

The protein encoded by this gene is a member of the epidermal growth factor family. It is an autocrine growth factor as well as a mitogen for astrocytes, Schwann cells and fibroblasts. It is related to epidermal growth factor (EGF) and transforming growth factor alpha (TGF-alpha). The protein interacts with the EGF/TGF-alpha receptor to promote the growth of normal epithelial cells, and it inhibits the growth of certain aggressive carcinoma cell lines. It also functions in mammary gland, oocyte and bone tissue development. This gene is associated with a psoriasis-like skin phenotype, and is also associated with other pathological disorders, including various types of cancers and inflammatory conditions. [provided by RefSeq, Apr 2014]

Product Info

Amount :	100 µg / 10 µg
Purification :	Purified from cell culture supernatant by affinity chromatography
Content :	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization.
Storage condition :	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

Application Note

Flow Cyt 1/100

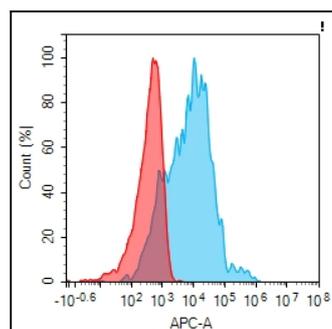


Figure 1. Flow cytometry analysis with 1µg/mL Anti-AREG (1B12) mAb on HEK293 cells transfected with human AREG (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).